SAME70-XPLD

Gravador USB/
UART DEBUG
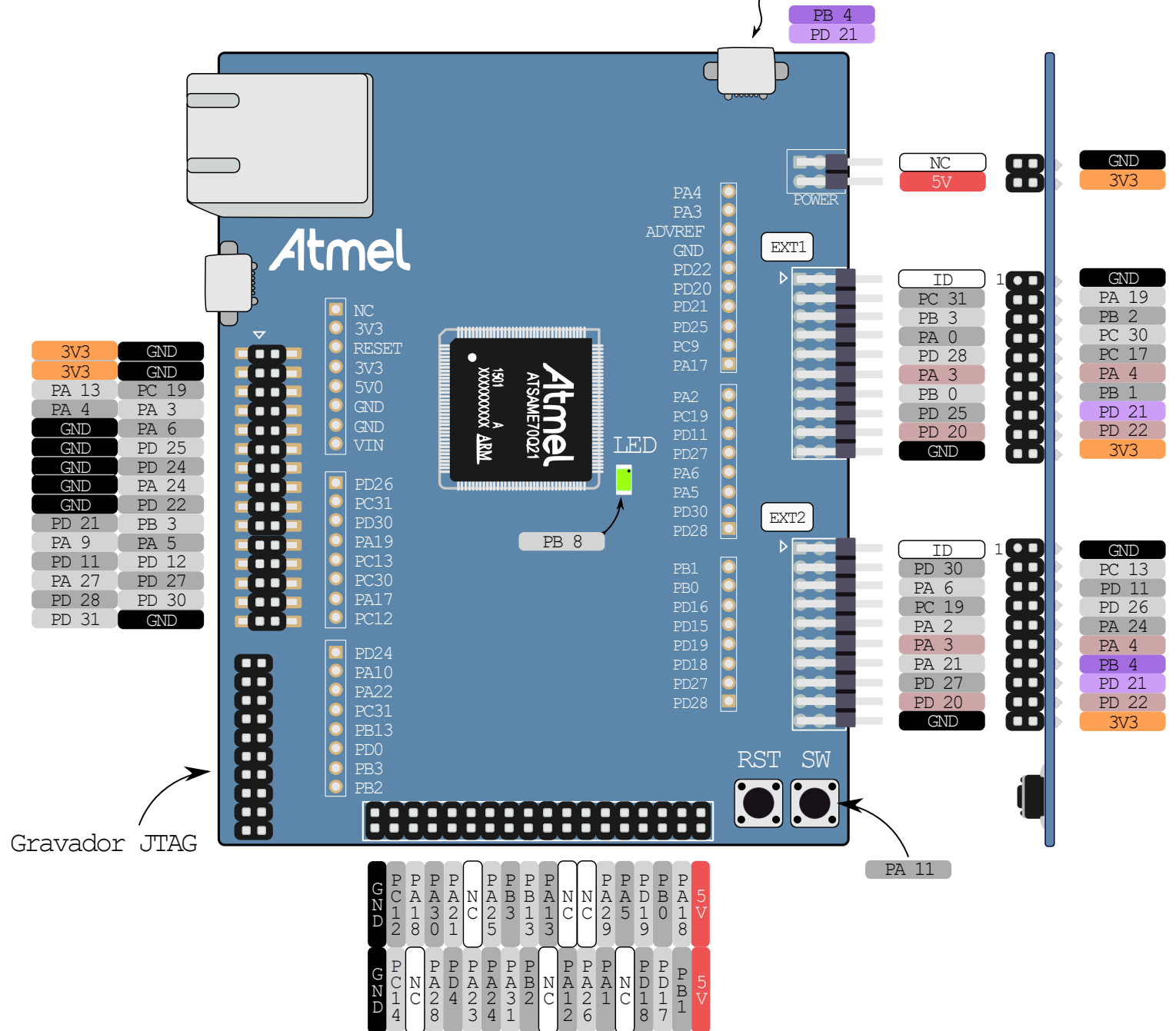
PB 4
PD 21

Atmel
ATSAME70Q21
1501
A
XXXXXXXXX ARM

NC
3V3
RESET
3V3
5V0
GND
GND
VIN

PD26
PC31
PD30
PA19
PC13
PC30
PA17
PC12

PD24
PA10
PA22
PC31
PB13
PD0
PB3
PB2

PA4
PA3
ADVREF
GND
PD22
PD20
PD21
PD25
PC9
PA17

PA2
PC19
PD11
PD27
PA6
PA5
PD30
PD28

PB1
PB0
PD16
PD15
PD19
PD18
PD27
PD28

POWER

LED

PB 8

EXT1

EXT2

NC
5V

GND
3V3

ID		1
PC 31		
PB 3		
PA 0		
PD 28		
PA 3		
PB 0		
PD 25		
PD 20		
GND		

| GND |
| PA 19 |
| PB 2 |
| PC 30 |
| PC 17 |
| PA 4 |
| PB 1 |
| PD 21 |
| PD 22 |
| 3V3 |

ID		1
PD 30		
PA 6		
PC 19		
PA 2		
PA 3		
PA 21		
PD 27		
PD 20		
GND		

| GND |
| PC 13 |
| PD 11 |
| PD 26 |
| PA 24 |
| PA 4 |
| PB 4 |
| PD 21 |
| PD 22 |
| 3V3 |

RST   SW

PA 11

Gravador JTAG

Legenda

⬜ : Pinos de uso geral

🟫 : Conflito entre EXT1 e EXT2 (pode utilizar)

🟪 : Conflito com uart DEBUG

GND : Terra

3V3 : 3.3 Volts

⚠ 5V : 5.5 Volts (só usar quando indicado)

⬜ : Não disponível

🟩 : LED smd do Kit

SW : Botão de uso geral

RST : Reset do uC

Extension Headers - EXT

(funcionalidade sugerida)

ID	GND
ADC+	ADC-
GPIO1	GPIO2
PWM+	PWM+
IRQ/GPIO	SPI_SS_B
I2C_SDA	I2C_SCL
UART_RX	UART_TX
SPI_SS_A	SPO_MISO
SPI_MOSI	SPI_CLK
GND	VCC

3V3	GND
3V3	GND
PA 13	PC 19
PA 4	PA 3
GND	PA 6
GND	PD 25
GND	PD 24
GND	PA 24
GND	PD 22
PD 21	PB 3
PA 9	PA 5
PD 11	PD 12
PA 27	PD 27
PD 28	PD 30
PD 31	GND

GND	PC12	PA18	PA30	PA21	NC	PA25	PB3	PA13	NC	NC	PA29	PA5	PD19	PB0	PA18	5V
GND	PC14	NC	PA28	PD4	PA23	PA24	PA31	NC	NC	PA12	PA26	PA1	NC	PD18	PD17	PB1	5V

Computação Embarcada - 2020

Insper